

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/068,876	HA, TAE-HYEUN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Tam D. Tran	2628	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers received on 07/31/2006.
2. ☒ The allowed claim(s) is/are 1,2,4,5,7-9,11,12 and 14-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>9/11/06</u> |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>02/11/02</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                                       |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                   | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                      |
|  | 9. <input type="checkbox"/> Other _____   |

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on 8/31/2006, Applicant requested an extension of time for 3<sup>rd</sup> MONTH(S) and authorized the Director to charge Deposit Account No. 02-4943 the required fee of \$ 570 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. S. Sahota, Reg. 47051, on 8/31/2006.

**IN THE CLAIMS:**

Application has been amended as attached.

***Allowable Subject Matter***

3. Claims 1, 2, 4, 5, 7-9, 11, 12, 14-18 are allowed.

4. The following is a statement of reasons for the indication of allowable subject matter:

The prior art taken singly or in combination does not teach or suggest a controller part for storing a position value of the set portion set by the setting part, generating a setting signal corresponding to the set portion based on the position value, and processing the video signal according to the setting signal; storage part storing the position value of the set portion set through the setting part; and a scaler adjusting the width of the setting signal of the set portion set through the size adjuster part; wherein the controller part decreases a signal level of the set portion by offsetting a value of the video signal and a value of the setting signal.

The prior art taken singly or in combination does not teach or suggest a controller part for storing a position value of the set portion set by the setting part, generating a setting signal corresponding to the set portion based on the position value, and processing the video signal according to the setting signal; a clock generator part generating a clock according to a reference position of the set portion based on the position value of the set portion set by the portion set part.

The prior art taken singly or in combination does not teach or suggest generating a setting signal corresponding to the set portion; and processing the video signal according to the setting signal corresponding to the set portion, with the setting signal including a magnification signal, and the video signal is processed corresponding to the

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magnification signal, wherein the step of processing the video signal, the video signal and the setting signal corresponding to the set portion are offset.

The closest prior art shows the multi-window arrangement on the display, windows can be resized by user but does not disclose setting part comprising: a portion set part for displaying a set portion on a screen of the display part, said portion set part including a selection key, a plurality of adjuster keys and a cancellation key, said selection key, when toggled by the user, causing an initial cursor to be displayed on the screen, a position of said initial cursor being arbitrarily adjusted by user manipulation of said adjuster keys, and said set portion being removed from the screen in response to user manipulation of said cancellation key; a size adjuster part for enabling the user to adjust a size of said set portion, said size adjuster part, when toggled by the user, displaying a second cursor on said screen, said size of said set portion being adjusted by moving said second cursor diagonally with respect to said initial cursor by user manipulation of said adjuster keys. Setting part enables user adjusting the characteristics of the image such as size and brightness of the set portion on the screen.

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is

**571-272-7793**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, **Kee M. Tung** can be reached on **571-272-7794**. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tam Tran

*TT*  
Examiner

Division 2628

A handwritten signature in black ink, appearing to read 'KMT', with a long vertical line extending downwards from the end of the signature.

**KEE M. TUNG**  
**SUPERVISORY PATENT EXAMINER**

## EXAMINER'S AMENDMENT

Please amend claims 1 and 8 and cancel claims 3 and 10 without prejudice or disclaimer of its subject matter, as follows:

1. (Currently Amended) A displaying apparatus comprising a signal generator part generating a video signal, and a display part displaying thereon a picture based on the video signal generated by the signal generator part, further comprising:

a setting part including a portion set part displaying a set portion at a user chosen arbitrary position of a screen of the display part, and a size adjuster part adjusting the size of the set portion based on movement of a cursor from the arbitrary position within the portion set by the portion set part to another position;

a controller part for storing a position value of the set portion set by the setting part, generating a setting signal corresponding to the set portion based on the position value, and processing the video signal according to the setting signal;

a storage part storing the position value of the set portion set through the setting part; and

a scaler adjusting the width of the setting signal of the set portion set through the size adjuster part,

the controller part increases or decreases a signal level of the set portion by offsetting a value of the video signal and a value of the setting signal.

2. (Original) The displaying apparatus according to claim 1, wherein the controller part increases a signal level of the set portion by synthesizing a value of the video signal and a value of the setting signal.

3. (Cancelled)

1           4. (Previously Presented) A displaying apparatus comprising a signal generator part  
2     generating a video signal, and a display part displaying thereon a picture based on the video  
3     signal generated by the signal generator part, further comprising:

4           a setting part including a portion set part displaying a set portion at a user chosen  
5     arbitrary position of a screen of the display part, and a size adjuster part adjusting the size of the  
6     set portion based on movement of a cursor from the arbitrary position within the portion set by  
7     the portion set part to another position;

8           a controller part for storing a position value of the set portion set by the setting part,  
9     generating a setting signal corresponding to the set portion based on the position value, and  
10    processing the video signal according to the setting signal; and

11          a clock generator part generating a clock according to a reference position of the set  
12    portion based on the position value of the set portion set by the portion set part.

1           5. (Original) The displaying apparatus according to claim 4, wherein the setting signal  
2     comprises at least one color signal corresponding to the video signal; and

3           the setting part further comprises at least one signal adjuster part for changing the levels  
4     of the respective color signals.

6. (Cancelled)

1           7. (Previously Presented) The displaying apparatus according to claim 1, wherein the  
2 controller adjusts the signal level of the set portion by composing the video signal with the  
3 setting signal.

1           8. (Currently Amended) A method of controlling a displaying apparatus comprising a  
2 signal generator part generating a video signal, and a display part displaying thereon a picture  
3 based on the video signal generated by the signal generator part, comprising the steps of:

4           setting a set portion at an arbitrary position within a screen of the display part,  
5           adjusting a size of the set portion based on movement of a cursor from the arbitrary  
6 position of the set portion to another position;

7           generating a setting signal corresponding to the set portion; [[and]]

8           processing the video signal according to the setting signal corresponding to the set  
9 portion; and

10          displaying the video signal,

11          with the setting signal including a magnification signal, and the video signal is processed  
12 corresponding to the magnification signal,

13          in the step of processing the video signal, the video signal and the setting signal  
14 corresponding to the set portion are offset.

1           9. (Original) The method according to claim 8, wherein in the step of processing the  
2 video signal, the video signal and the setting signal corresponding to the set portion are  
3 synthesized.



10. (Cancelled)

1 11. (Original) The method according to claim 8, wherein in the step of setting the setting  
2 portion, a clock is generated according to a reference position of the set portion based on the  
3 position value of the set position.

1 12. (Original) The method according to claim 8, wherein the setting signal includes at  
2 least one color signal, and the video signal is processed corresponding to the color signal.

13. (Cancelled)

1 14. (Previously Presented) The method according to claim 8, wherein when the video  
2 signal is processed corresponding to the magnification signal, the width of the video signal is  
3 adjusted.

1 15. (Original) A displaying apparatus comprising a signal generator part generating a  
2 video signal, and a display part displaying thereon a picture based on the video signal generated  
3 by the signal generator part, further comprising:  
4 a setting part enabling a user to adjust an image, said setting part comprising:  
5 a portion set part for displaying a set portion on a screen of the display part, said portion  
6 set part including a selection key, a plurality of adjuster keys and a cancellation key, said  
7 selection key, when toggled by the user, causing an initial cursor to be displayed on the

8 screen, a position of said initial cursor being arbitrarily adjusted by user manipulation of  
9 said adjuster keys, and said set portion being removed from the screen in response to user  
10 manipulation of said cancellation key;  
11 a size adjuster part for enabling the user to adjust a size of said set portion, said size  
12 adjuster part, when toggled by the user, displaying a second cursor on said screen, said  
13 size of said set portion being adjusted by moving said second cursor diagonally with  
14 respect to said initial cursor by user manipulation of said adjuster keys; and  
15 a signal adjuster part enabling the adjustment of brightness values of an image displayed  
16 in the set portion, said brightness values being adjusted by user manipulation of said  
17 adjuster keys.

1 16. (Original) The displaying apparatus as set forth in claim 15, said size adjuster part  
2 further enabling the user to adjust a magnification of the image displayed in the set portion in  
3 response to user manipulation of said adjuster keys.

1 17. (Original) The displaying apparatus as set forth in claim 15, said signal adjuster part  
2 further enabling the adjustment of color values of the image displayed in the set portion in  
3 response to user manipulation of said adjuster keys.

1 18. (Original) The displaying apparatus as set forth in claim 17, said signal adjuster part  
2 further enabling the adjustment of color values of the image displayed in the set portion in  
3 response to user manipulation of said adjuster keys.